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ACRONYMS

EOSDIS Core System (ECS) Project

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RESPONSIBLE STAFF

Marnie L. Heffner /s/ 8/11/95

Marnie L. Heffner, Librarian
EOSDIS Core System Project

SUBMITTED BY

Kristin Wheeler /s/ 8/11/95

Kristin M. Wheeler, Manager
Data Management Organization
EOSDIS Core System Project

Hughes Information Technology Corporation
Landover, Maryland

Abstract

An acronym is usually derived by using the first letter of each word in a phrase to form a shortened version of the phrase (NASA, GSFC, ECS). Sometimes parts of a series of words in a phrase are used to create the acronym (radar for *radio detecting and ranging*). Acronyms are used to save space, but more than that they aid in communication by allowing the reader (or speaker and listener) to concentrate on the message and not lengthy, and sometimes cumbersome phrases (CORBA rather than “common object request broker architecture”).

The purpose of the Acronym List for the ECS Project is to define terminology used within the EOSDIS Core System (ECS) project. The list was created by ECS engineers and scientists and is maintained by the ECS Data Management organization. It has been updated in preparation for the Critical Design Review, but should not be considered a CDR-related document. It will be updated and reissued with documentation prepared for each major Review.

Keywords: dictionary, definitions, abbreviations, style, guide

A

AALE	adjusted annual loss expectancy
AAP	advanced archival products
AATSR	Advanced Along-Track Scanning Radiometer (ESA)
ABL	allocated baseline
AC	alternating current
ACI	allocated configuration identification
ACL	access control list
ACMHW	access and control management hardware [configuration item]
ACR	Active Cavity Radiometer
ACRIM	Active Cavity Radiometer Irradiance Monitor
ACRIMSAT	Active Cavity Radiometer Irradiance Monitor Satellite
ACS	Archived Catalog System (ASF)
ADADS	ASTER Data Archive and Distribution System
ADC	affiliated data center
ADEOS	Advanced Earth Observing System (Japan)
ADN	ASTER Data Network
ADP	automated data processing
ADPE	automated data processing equipment
ADS	archive data set
ADSERV	advertising service
ADSHW	advertising service hardware [configuration item]
AERO	see EOS-AERO
AFD	architecture flow diagrams
AFE	annual frequency estimate
AFGWC	Air Force Global Weather Central
AFSCN	Air Force Satellite Control Network
AGS	ASTER Ground System
AGU	American Geophysical Union

AHWGC	Ad Hoc Working Group on Consumers
AHWGP	Ad Hoc Working Group on Production
AI	artificial intelligence
AI&T	algorithm integration and test
AIAA	American Institute of Aeronautics and Astronautics
AID	architecture interconnection diagram
AIF	Algorithm Integration Facility (UK)
AIM	automated information management
AIRS	Atmospheric Infrared Sounder
AIS	automated information security
AISO	automated information security officer
AIT	algorithm integration team
AITHW	algorithm integration and test hardware [configuration item]
AITT	Algorithm Integration and Test Team
ALE	annual loss expectancy
ALT	altimeter; see also EOS-ALT 1
AM	morning (ante meridiem)
AM-1	EOS AM Mission spacecraft 1, morning spacecraft series -- ASTER, CERES, MISR, MODIS and MOPITT instruments
AMI	Active Microwave Instrument
AMPE	automated message processing exchange
AMR	Altimetry Microwave Radiometer
AMRIR	Advanced Medium Resolution Imaging Radiometer
AMS	American Meteorological Society
AMSR	Advanced Microwave Scanning Radiometer
AMSU	Advanced Microwave Sounding Unit
AMTS	Advanced Meteorological Temperature Sounding Study
ANSI	American National Standards Institute
AO	announcement of opportunity
A _o	operational availability (also shown as Ao)
AOC	award of contract
AOIPS	Atmospheric and Oceanographic Information Processing System

AOL	Airborne Oceanographic Lidar
AOS	acquisition of signal advanced orbiting system ASTER Operations Segment
AP	accounts payable
API	application programming interface
APID	application process identifier
APL	Applied Physics Laboratory (at Johns Hopkins University)
APT	automatic picture transmission
AQAHWCI	algorithm quality assurance hardware configuration item
AR	accounts receivable
ARAM	automated reliability/availability/maintainability
ARC	Ames Research Center Antarctic Research Center Applied Research Corporation (ECS team)
ARGOS	Argos Data Collection And Position Location System
ARIA	Advanced Range Instrumentation Aircraft
ARIN	Aerospace Resource Information Network
ARISTOTELES	Applications and Research Involving Space Technologies Observing the Earths' Field from Low Earth Orbiting Satellite
ARM	Atmospheric Radiation Measurement (DoE program)
ARP	address resolution protocols
ARPA	Advance Research Project Agency
ASAR	Advanced Synthetic Aperture Radar (ESA)
ASCII	American Standard Code for Information Interchange
ASF	Alaska SAR Facility (DAAC)
ASI	Agenzia Spaziale Italiano
ASLE	adjusted single loss expectancy
ASN.1	abstract syntax notation one
ASSIST	ADPE system sizing tool
AST	algorithm support team ASTER Science Team
ASTER	Advanced Spaceborne Thermal Emission and Reflection Radiometer (formerly ITIR)

AT	acceptance test
ATBD	algorithm theoretical basis document
ATC	absolute time command
ATL	automated tape library
ATLAS	Atmospheric Laboratory for Applications and Science
ATLID	Atmospheric Lidar
ATM	asynchronous transfer mode
ATMOS	Atmospheric Observations Satellite
ATMP	acceptance test management plan
ATP	acceptance test plan
ATRR	Acceptance Test Readiness Review
ATSR	Along Track Scanning Radiometer
ATT	acceptance test team
AVHRR	Advanced Very High-Resolution Radiometer
AVIRIS	Airborne Visible and Infrared Imaging Spectrometer
AVS	advanced visualization system
AWIPS-90	Advanced Weather Interactive Processing System for the 90's

B

BAAS	billing/accounting application service
BAFO	best and final offer
BAP	baseline activity profile
BASC	Board on Atmospheric Science and Climate (NRC)
BB	broad band bulletin board
BBS	bulletin board server bulletin board service bulletin board system
BCR	budget change request
BCWP	budgeted cost for work performed
BDDN	broadcast data distribution node

BDDS	broadcast data distribution system
BDF	bi-directional reflective factor
BDRN	broadcast data receiver node
BDU	bus data unit
BER	bit error rate
BGP	boundary gateway protocol
BIT	built in test
BIU	bus interface unit
BMFT	Bundesministerium für Forschung und Technologie (FRG)
BNF	Backus-Naur Form
BNSC	British National Space Centre
BOA	basic object adapter
BOD	beneficial occupancy date
BONeS	block oriented network simulator
BOO	Business Operations Office (ECS)
bpi	bits per inch
bps	bits per second
Bps	bytes per second
BRDF	bi-directional reflective distribution function
BTU	British thermal unit
BUFR	binary universal format for representation [of data]

C

C&DHS	Command and Data Handling Subsystem (AM-1)
C&DM	configuration and data management
C&T	communications and tracking
C/D	integrated Phase C and Phase D contract
C ³	communications, command and control
CAC	command activity controller
CAD	computer aided design
CADU	channel access data unit

CAE	computer-aided engineering
CAL/VAL	calibration/validation
CALS	Cloud and Aerosol Lidar System
CALS	computer-aided acquisition and logistics support
CAM	computer-aided manufacturing cost account manager
CASE	computer aided software engineering
CAST	computer aided software test
CBB	contractor's budget baseline
CBT	computer based training
CCB	Change Control Board (Hughes Convention)
CCB	Configuration Control Board (NASA Convention)
CCD	charge coupled device
CCITT	Comité' Consultatife International de Telephonique et Telegraphique (France) Consultative Committee for International Telecommunication and Telegraph
CCR	commitment, concurrency, and recovery (protocol) configuration change request
CCRS	Canada Centre for Remote Sensing
CCS	Common Carrier Subsystem (Ecom) Communications and Control Segment (NCC)
CCSDS	Consultative Committee for Space Data Systems
CCT	computer-compatible tape
CCTI	control center technology interchange
CD	compact disk
CD-ROM	compact disk - read only memory
CDA	command and data acquisition
CDCR	Conceptual Design And Cost Review
CDDIS	Crustal Dynamics Data Information System
CDF	common data format
CDHF	central data handling facility
CDIAC	Carbon Dioxide Information and Analysis Center (also known as DOE/CDIAC)
CDIC	Carbon Dioxide Information Center
CDIS	command and data interface simulator

CDMS	Cryospheric Data Management System (NSIDC)
CDMTS	Configuration/Data Management Tracking System (ECS)
CDOS	Customer Data and Operations System (obsolete)
CDR	Critical Design Review
CDRC	CIESIN Data and Research Center
CDRD	Contract Data Requirements Document
CDRL	Contract Data Requirements List
CDS	cell directory service
CDSCP	cell directory service command program
CDSF	customer data service facility
CDU	customer data unit
CDW	critical design walk-through
CEC	Commission of European Committees
CEES	Committee on Earth and Environmental Sciences
CEG	Chief Engineering Group (Release B)
CEI	contract end item
CEO	Centre for Earth Observation (ESA)
CEOS	Committee on Earth Observations Satellites
CEOSWGD/CS	CEOS Working Group on Data, Catalog Subgroup
CERES	Clouds and Earth's Radiant Energy System
CERT	computer emergency response team
CESDIS	Center for Excellence in Space Data and Information Sciences
CESDS	Central Environmental Satellite Data System (NOAA)
CF	customer facility
CFIS	conflict-free instrument schedule
CFR	Code of Federal Regulations
CFS	conflict-free schedule
CGC	Committee on Global Change (NRC)
CGI	common gateway interface
CGM	computer graphics metafile
CHCI	communications hardware configuration item

CHEM	see EOS-CHEM
CHI	computer human interface
CHUI	character user interface
CI	configuration item
CIDM	client, interoperability and data management
CIESIN	Consortium for International Earth Science Information Network
CIL	common interface language critical items list
CINTEX	CEOS Catalogue Interoperability Experiment
CIWG	Catalog Interoperability Working Group
CLAES	Cryogenic Limb Array Etalon Spectrometer
CLCW	command link control word
CLS	client subsystem
CLTU	command link transmission unit
CM	configuration management
CMAS	configuration management application service
CMD	command
cmi	continuous measurable improvement
CMIP	common management information protocol
CMIS	common management information services
CMO	configuration management organization
CMP	configuration management plan corrective maintenance performed
CMS	command management system common management service
CN	change notice
CNES	Centre National d'Etudes Spatiales (France)
CO	contracting officer
CO1	Change Order 1
COARE	[TOGA] Coupled Ocean-Atmosphere Response Experiment
CODMAC	Committee on Data Management, Archiving, and Computing
CoI	co-investigator

COLOR	Ocean Color - see EOS-COLOR
COMMS	Communication Subsystem (AM-1)
CONS	connection oriented network service
COOP	continuity of operations plan
COP	command operation procedure calibrated output processing
CORBA	common object request broker architecture
COSMIC	Computer Software Management and Information Center (NASA)
COSS	common object services specifications
COTR	contracting officer's technical representative
COTS	commercial off-the-shelf (hardware or software)
CPCI	computer program configuration item
CPL	computer program library
CPM	critical path method
CPS	contractor purchasing system
CPSR	Contractor Purchasing System Review
CPU	central processing unit
CR	change report change request contractor report correlation radiometer
CRC	Climate Research Committee (NRC) cyclic redundancy code
CRISTA	Cryogenic Infrared Spectrometers and Telescopes for the Atmosphere
CRL	Communication Research Lab (Japan)
CRM	change request manager
CRR	Capabilities and Requirements Review
CRU	computer resource unit
CS	client server (use client-server for EDHS search)
CSA	Canadian Space Agency configuration status accounting
CSAT	Center for Space and Advanced Technology -- see ESSi

CSC	computer software component
CSCI	computer software configuration item
CSI	configuration sub item
CSIRO	Commonwealth Scientific and Industrial Research Organization (Australia)
CSMS	Communications and Systems Management Segment (ECS)
CSO	computer security officer
CSR	Consent To Ship Review
CSS	communication subsystem
CSSR	contract summary status report
CSTOL	Customer System Test and Operations Language
CSU	computer software unit
CTC	contract target cost
CTC	cost to complete
CTD	cost to date
CTIU	command and telemetry interface unit (AM-1)
CVCDU	coded virtual channel data unit
CVT	current value table
CWBS	contract work breakdown structure
CY	calendar year
CZCS	Coastal Zone Color Scanner

D

D/L	downlink
DAA	data availability acknowledgment
DAAC	distributed active archive center
DADS	data archive and distribution system data archive and distribution subsystem (Version 0)
DAMUS	data management and user services
DAN	data availability notice
DAO	data assimilation office
DAP	directory access protocol

DAR	data acquisition request
DAS	data assimilation system (at DAO) data availability schedule detailed activity schedule direct access system (AM-1)
DASD	direct assess storage device
DASM	design and analysis support model
DAT	digital audio tape
DB	database direct broadcast (AM-1)
DBA	database administrator
DBMS	database management system
DCA	data collection assignment
DCAR	data collection analysis request
DCCI	distributed computing configuration item
DCE	distributed computing environment (OSF)
DCF	data capture facility
DCHCI	distributed computing hardware configuration item
DCL	data control language
DCMC	defense control management center
DCN	document change notice
DCO	document change order
DCP	default configuration procedure
DCR	data collection request
DCTT	DSN Compatibility Test Trailer
DDA	data delivery acknowledgment
DDB	delayed direct broadcast
DDC	document development and control (matrix)
DDF	data distribution facility (Pacor)
DDICT	data dictionary
DDIST	data distribution
DDL	data definition language direct downlink (AM-1)

DDN	data delivery notice
DDSRV	document data server
DDTS	distributed defect tracking system
DECOM	[FOS] decommutation process
DED	data element directory
DEF	data exchange format
DEM	digital elevation model
DES	data encryption standard
DESKT	desktop [configuration item]
DFCD	data format control document
DFD	data flow diagram
DFRD	data format requirements document
DFS	distributed file system
DHF	data handling facility
DIB	directory information base
DID	data item description
DIF	data interface facility directory interchange format
DIM	distributed information manager
DIMGR	distributed information manager
DIP	distribution and ingest peripheral
DIPHW	distribution and ingest peripheral hardware [configuration item]
DIS	data information system data ingest and server data interface system
DLPO	DoD Landsat Program Office
DLR	German Aerospace Research Establishment
DLS	Dynamic Limb Sounder
DLT	data link terminal
DM	data management
DMA	Defense Mapping Agency
DME	distributed management environment

DMGHW	data management hardware [configuration item]
DML	data manipulation language
DMO	data management organization
DMP	data migration plan
DMR	detailed mission requirements
DMS	data management system data management subsystem
DMSP	Defense Meteorological Satellite Program
DMT	Data Management Team (LaRC)
DMWG	Data Migration Working Group
DN	design note
DNS	domain name services
DOC	distributed object computing
DoC	Department of Commerce
DOD	digital optical data digital optical disk
DoD	Department of Defense
DoE	Department of Energy
DOF	distributed object framework
DoI	Department of the Interior
DOPLID	Doppler Lidar
DORRAN	Distributed Ordering, Reporting, Researching, and Accounting Network (EDC)
DOTS	Data Ordering and Tracking System (JPL)
DP	data processing
DP	direct playback (AM-1)
DPF	data processing facility
DPFT	Data Processing Focus Team
DPI	data processing installation
DPR	data processing request December Progress Review
DPS	data processing subsystem
DQS	domain queuing system

DR	data repository data request disaster recovery discrepancy report
DRA	data request acknowledgment
DRD	data requirements document
DRL	data requirements list
DRPHW	data repository hardware [configuration item]
DRS	direct downlink receiving station
DRTS	Data Relay and Tracking Satellite (Japan)
DS	data server
DS-1	digital signal 1
DSA	directory service agent
DSB	direct soundings broadcast
DSCC	Deep Space Communications Complex (DSN)
DSM	data systems manager distribution storage management
DSMC	Defense System Management College
DSN	Deep Space Network
DSP	directory service protocol
DSS	data server subsystem decision support system
DSU/CSU	data service unit/channel service unit
DT	data type
DT&E	development test and evaluation
DTD	document type definition
DTF	development and test facility
DTG	date time group
DTIC	defense technical information center
DTM	digital terrain model
DTR	development and test resource
DTS	distributed time server distributed time service

DV data visualization
 development

E

e-mail electronic mail (use email for EDHS search)

E-R entity-relationship

EAC estimate at completion

EAP EOSDIS Advisory Panel

Early AM-1 EOS Morning Crossing (Descending) Mission

EAS ECS Advertising Service

EAS electrical accommodation subsystem (AM-1)

EBCDIC extended binary-coded decimal interchange code

EBNet EOSDIS Backbone Network (combines Ecom and ESN)

EC European Community
 executive committee

ECA engineering change analysis

ECC error correction and control

ECMP ECS configuration management plan

ECMWF European Centre for Medium Range Weather Forecasts (UK)

ECN engineering change notice
 equipment control number

Ecom EOS Communications (replaced by EBNet)

ECP engineering change proposal

ECR Earth centered rotating
 engineering change request

ECS EOSDIS Core System

EDC EROS Data Center (DAAC)

EDCAS equipment designers cost analysis system

EDF ECS development facility

EDHS ECS Data Handling System

EDI electronic data interface

EDMP ECS Data Management Plan

EDOS	EOS Data and Operations System
EDRS	European Data Relay Satellite
EDS	Earth Data System (NIIT) Electronic Data Systems (ECS Team)
EDU	EDOS Data Unit
EEA	European Environment Agency
EECF	Earthnet ERS-1 Central Facility
EEID	EOSDIS external interface document
EEMOC	European EMOC
EGS	EOS Ground System
EIA	Electronic Industries Association
EIN	equipment identification number
ELAS	Earth (Resources) Lab Applications Software
EMA	enterprise management architecture
EMASS	E-Systems Modular Automated Storage Systems
EMC	enterprise monitoring and coordination
EMI	electromagnetic-radiation interference
EMLS	EOS Microwave Limb Sounder
EMOC	EOSDIS Mission Operations Center
ENAC	Energetic Neutral Atom Camera
ENACEOS	Energetic Neutral Atom Camera for EOS
ENSO	El Niño/southern oscillation
ENVISAT-1	first POEM mission (ESA)
EO	engineering order
EO-ICWG	Earth Observations International Coordination Working Group
EOC	Earth Observation Center (Japan) EOS Operations Center (ECS)
EODC	Earth Observation Data Centre (UK)
EOPS	ERBE Operational Processing System (LaRC)
EOS AERO	EOS Aerosol Mission
EOS ALT	EOS Altimetry Mission
EOS AM	EOS Morning Crossing (Descending) Mission

EOS CHEM	EOS Chemistry Mission
EOS COLOR	EOS Color Mission
EOS	Earth Observing System
EOS PM	EOS Afternoon Crossing (Ascending) Mission (afternoon spacecraft series) (see AIRS, AMSU-A, MHS, MIMR, CERES and MODIS) instruments
EOSDIS	Earth Observing System Data and Information System
EOSL	Earth Observation Sciences Ltd. (UK)
EOSP	Earth Observing Scanning Polarimeter
EOSSMS	EOS Space Measurement System
EOSSRP	EOS Scientific Research Program
EP CSR	Evaluation Package Consent To Ship Review
EP	evaluation package
EPA	Environmental Protection Agency
EPDS	earth probe data system
EPG	ECS Process Improvement Group
EPRR	Evaluation Package Readiness Review
EPL	engineering parts list
EPO	emergency power off
EPOP	European Polar-Orbiting Platform
EPS	electrical power subsystem (AM-1) encapsulated postscript
EPV	endpoint vector
ERBE	Earth Radiation Budget Experiment
ERBS	Earth Radiation Budget Satellite
ERD	entity relationship diagram
ERIM	Environmental Research Institute of Michigan
ERL	environmental research laboratory
EROS	Earth Resources Observation System
ERS	Earth Resources Satellite European Remote-Sensing Satellite
ERS-1	European Remote Sensing Satellite-1
ERS-2	European Remote Sensing Satellite-2

ERSDAC	Earth Resources Satellite Data Analysis Center (Japan)
ESA	European Space Agency
ESADS	Earth Science and Applications Data System (NASA Headquarters)
ESC	engineering support center
ESDD	Earth Science Data Directory
ESDIS	Earth Science Data and Information System (GSFC Code 505)
ESDT	Earth science data types
ESFU	enhanced standard format unit
ESIC	Earth Science Information Center
ESID	EOSDIS systems interface document
ESIS	ESA Space Information Systems
ESJWG	Earth Science Joint Working Group
ESMO	Earth Science Mission Operations
ESMP	ECS schedule management plan
ESMR	Electronically Scanning Microwave Radiometer
ESN	EOSDIS Science Network (ECS) (replaced by EBNet)
ESRIN	European Space Research Institute
ESS	Engineering support subsystem (Ecom)
ESSC	European Space Science Committee
ESSi	Engineering and Science Services, Inc. (ECS Team)
ESTAR	Electrically Scanned Thinned Array Radiometer
ESTEC	European Space Research and Space Technology Centre
ESTOL	EOS Standard Text and Operation Language
ESUS	ECS Scientist User Survey
ETC	engineering training course
ETFSP	Enhanced Technology Flight Segment Prototype
ETM	ECS technical manager
ETM+	Enhanced Thematic Mapper Plus (Landsat 7)
ETR	Element Test Review
ETS	EOS test system EOSDIS Test System
EU	engineering unit

EUMETSAT	European Organization for the Exploitation of Meteorological Satellites
EUV	extreme ultraviolet
EUVE	Extreme Ultraviolet Explorer
EV	earned value (use earned-value for EDHS search)

F

F&PRS	Functional and Performance Requirements Specification
F/L	forward link
F/P-INT	Fabry Perot Interferometer
FAM	file access methods
FAME	formatting and multiplexing equipment
FAR	Federal Acquisition Regulation
FAS	FOS analysis subsystem
FASAB	Financial Accounting Standards Advisory Board
FAST	Fast Auroral Snapshot Explorer
FAT	factory acceptance test file allocation table (DOS)
FBL	functional baseline
FC	fiber channel
FCA	functional configuration audit
FCI	functional configuration identification
FCS	first customer shipment
FDD	Flight Dynamics Division (GSFC Code 550)
FDDI	fiber distributed data interface
FDF	flight dynamics facility
FDIR	fault detection and isolation recovery
FDMA	frequency division multiple access
FED	frame encapsulator/decapsulator (Ecom)
FEP	front end processor
FFMSR	Federal Financial Management System Requirements
FFT	fast Fourier transform

FGDC	Federal Geographic Data Committee
FI	facility inspection faulty instrument
FIFE	First ISLSCP Field Experiment 1
FIPS	Federal Information Processing Standard
FIRE	First ISCCP Regional Experiment
FITS	flexible image transfer system
FIX	Federal Internet Exchange
FLD	first level destination
FMAS	fault management application service
FMEA	failure modes and effects analysis
FNMOCC	Fleet Numerical Meteorology and Oceanography Center
FNOC	Fleet Numerical Oceanographic Center (Navy)
FOC	final operational capability
FOLD	Federally-owned Landsat data
FOO	flight of opportunity
FORMATS	FDF orbital and mission aids transformation system
FORTRAN	FORmula TRANslation (computer language)
FOS	Flight Operations Segment (ECS)
FOT	Flight Operations Team
FOV	field of view
FPMH	failures per million hours
FRR	Flight Readiness Review
FS	file structure (use file-structure for EDHS search) flight segment
FSDR	Final System Design Review
FSMS	file and storage management system
FST	field support terminal (ECS)
FTA	transparent file access
FTAM	file transfer, access, and management
FTM	file transfer management
ftp	file transfer protocol

ftpd	file transfer protocol daemon
FTS	Fourier Transform Spectrometer
FUI	FOS user interface
FY	fiscal year

G

G/B	gateway/bridge
GAC	global area coverage (AVHRR)
GAO	General Accounting Office
GAST	Greenwich apparent sidereal time
GATT	Government Acceptance Test Team
GB	gigabyte (10 ⁹)
Gb	gigabit (10 ⁹)
GBps	gigabytes per second
Gbps	gigabits per second
GC	global change
GCDIS	Global Change Data and Information System
GCF	ground communications facility (DSN)
GCM	global circulation model
GCMD	Global Change Master Directory
GCP	ground control point
GCRP	Global Change Research Program
GDAO	Goddard [Space Flight Center] Data Assimilation Office
GDC	GeoData Center (University of Alaska, Fairbanks)
GDPS	ground data processing system
GDR	Geophysical Data Record (JPL)
GDS	ground data system
Geosat	Navy Geodetic Satellite
GEWEX	Global Energy and Water Cycle Experiment
GFDL	Geophysical Fluid Dynamics Laboratory
GFE	Government furnished equipment

GFI	Government furnished information
GFLOPS	giga (billions of) floating-point operations (10^9) per second
GFP	Government furnished property
GFSC	Goddard Space Flight Center
GGI	GPS Geoscience Instrument
GHB	Goddard Handbook
GIF	graphical interchange format
Giga	billion (10^9)
GIMMS	Global Inventory Modeling and Monitoring Study
GIMTACS	GOES I-M Telemetry and Command System
GIPS	giga (billions of) instructions (10^9) per second
GIS	geographical information system
GISS	Goddard Institute for Space Studies
GKS	graphical kernel system
GL	general ledger
GLAS	Geoscience Laser Altimeter System
GLIS	Global Land Information System (EDC)
GLOBE	Global Backscatter Experiment
GLRS	Geoscience Laser Ranging System
GMI	Goddard Management Instruction
GMS	Geostationary Meteorological Satellite
GMST	Greenwich mean sidereal time
GMT	Greenwich mean time
GN	ground network
GN&CS	Guidance, Navigation, and Control Subsystem (AM-1)
GNMP	Government Network Management Profile Protocol
GNSS	Ground network scheduling system
GOES	Geostationary Operational Environmental Satellite
GOLD	Global on-line directory
GOMOS	Global Ozone Monitoring by Occultation of Stars (ESA)
GOMR	Global Ozone Monitoring Radiometer

GOPS	giga (billions of) operations (10 ⁹) per second
GOS	Geomagnetic Observing System
GOSIP	Government Open Systems Interconnection Profile
GPCC	Global Precipitation Climatology Centre, Frankfurt, Germany
GPCP	Global Precipitation Climatology Project
GPI	Global Precipitation Index
GPS	Geophysical Products System
GPS	Global Positioning System
GQM	goal-question-metric
GRASP	Graphical and Statistical Data Analysis Package
GREM	Geopotential Research Explorer Mission
GRIB	gridded binary
GRID	[UNEP] Global Resource Information Data Base
GRO	Gamma Ray Observatory
GRP	Geophysical Research Program
GS	ground segment [EOS] ground system
GS&O	ground systems and operations
GSFC	Goddard Space Flight Center
GSIWG	Ground System Integration Working Group
GSMS	Ground System Management Subsystem (ASTER)
GSOP	Ground System Operations Project
GSS	generic security standard
GTWAY	gateway [for Version 0 interoperability]
GUI	graphical user interface
GV	ground validation data (TRMM)

H

H/K	housekeeping
H/W	hardware
HAC	Hughes Aircraft Corporation

HAIS	Hughes Applied Information Systems (ECS Team)
HALOE	Halogen Occultation Experiment
HAPEX	Hydrological-Atmospheric Pilot Experiment
HCE	hardware configuration engineer
HD	hard drive
HDF	hierarchical data format
HDLC	high level data link control
HGA	high gain antenna (AM-1)
HIMSS	High-Resolution Microwave Spectrometer Sounder (replaced by MIMR)
HIPPI	high performance parallel interface
HIRDLS	High-Resolution Dynamics Limb Sounder
HIRIS	High-Resolution Imaging Spectrometer
HIRS	High-Resolution Infrared Radiation Sounder
HITC	Hughes Information Technology Company (ECS Team)
HLL	high level language
HMI	human machine interface
HOL	higher order language
HRDI	High Resolution Doppler Interferometer
HRM	high rate multiplexer
HRPT	High Resolution Picture Transmission (AVHRR)
HRSR	High Resolution Scanning Radiometer (NOAA)
HRTR	high rate tape recorder
HSC	high speed channel
HSM	hierarchical storage management
HSMT	helical scan magnetic tape (videotape)
HST	Hubble Space Telescope
HTML	hypertext markup language
HTSC	Hughes Technical Services Company (ECS Team)
HTTP	hypertext transfer protocol
HWCI	hardware configuration item
HWM	high water mark

I

I&AT	integration and acceptance test
I&T	integration and test
I&TT	integration and test team
I/F	interface
I/O	input/output
I ² V ²	independent integration, verification, and validation
IA	interagency agreement
IADL	instrument activity deviation list
IAL	instrument activity list
IALE	individual annual loss expectancy
IAR	Independent Architecture Review Internal Audit Report
IAS	image assessment system instrument activity specification
IATO	Independent Acceptance Test Organization
IAW	in accordance with
IBP	International Biomed Program
ICAI	interactive computer-aided instruction
ICC	Instrument Control Center (ECS) (ASTER)
ICD	interface control document
ICF	instrument control facility (ECS)
ICL	ingest client
ICLHW	ingest client hardware [configuration item]
ICMP	Internet control message protocol
ICSU	International Council of Scientific Unions
ICWG	Interface Control Working Group International Coordinating Working Group
ID	identification identifier
IDB	instrument database

IDD	instrument description document interface definition document
IDIMS	Interactive Data Integration and Management System
IDL	interface definition language
IDR	Internal Design Review
IED	infrastructure engineering division
IEEE	Institute of Electrical and Electronics Engineers
IEF	inventory exchange format
IEOS	International Earth Observing System
IET	interactive evaluation tool
IETF	Internet Engineering Task Force
IFOV	instantaneous field of view
IFWG	Interface Working Group
IGAC	international global atmospheric chemistry
IGBP	International Geosphere-Biosphere Program
IGDR	Interim Geophysical Data Record (JPL)
IGMP	Internet group management protocol
IGS	international ground station
IGSE	instrument ground support equipment
IHCI	internetworking hardware configuration item
II	interdisciplinary investigator
IIAS	Interactive Image Analysis System (ASF)
IICF	interdisciplinary investigator computing facility
IICS	international interoperability catalog systems
IID	instrument interface document
IIR	Instrument Interface Review
IIWG	Interdisciplinary Investigator Working Group
ILN	intermediate logic network
ILP	integrated logistics plan
ILS	integrated logistics support
ILSMT	ILS management team
ILSO	ILS Office

ILSP	ILS plan
ILSPM	ILS Program Manager
ILSS	ILS system
IMS	Information Management System (obsolete ECS element name) information management service
INCI	internetworking configuration item
INGST	ingest services
INHCI	internetworking hardware configuration item
INN	InterNet News
Inode	index node
INORAC	Inquiry, Order, and Accounting System (EDC)
INS	SDPS Ingest Subsystem
Intelsat	International Telecommunications Satellite
IOC	inception of contract initial operational capability Intergovernmental Oceanographic Commission
IOS	interoperability subsystem inventory and order system (JPL)
IOT	Instrument Operations Team
INS	ingest subsystem
IP	installation plan international partner Internet protocol
IP-ICC	International Partners-Instrument Control Center
IPA	inter-project agreement
IPC	instrument processing center
IPCC	Intergovernmental Panel on Climate Change
IPEA	Internet protocol encapsulated addressing
IPEI	Ionospheric Plasma and Electrodynamics Instrument
IPF	international partner facility
IPGS	international partner ground system
IPI	international partner interface
IPICC	International Partners-Instrument Control Center

IPMOC	International Partners-Mission Operations Center
IPng	Internet protocol, next generation
IPOC	International Partner Operations Center
IPOMS	International Polar Orbiting Meteorological Satellite Committee
Ir1	interim release 1 (use Ir-1 for EDHS search)
IR	infrared interim release
IR&D	independent research and development
IR-RAD	infrared radiometer
IRD	interface requirements document
IRIS	Italian Research Interim Stage
IRM	information resources management
IRP	instrument resource profile
IRR	Integrated Requirements Review
IRS	Information Retrieval Service (ESA) interface requirements specification
IS	ingest subsystem
IS-IS	intermediate system to intermediate system
ISAMS	Improved Stratospheric and Mesospheric Sounder
ISAR	instrument support activity request
ISAS	Institute of Space and Astronautical Science (Japan)
ISCCP	International Satellite Cloud Climatology Project
ISDN	integrated services digital network
ISI	inter-disciplinary science investigation
ISLE	individual single loss expectancy
ISLSCP	International Satellite Land Surface Climatology Project
ISO	International Standards Organization
ISOLAN	isolated local area network
ISP	integrated support plan
ISS	internetworking subsystem

IST	Instrument Support Toolkit instrument support terminal (ECS)
ISTP	International Solar and Terrestrial Physics
ISY	International Space Year (1992)
IT	Instrument Team
ITIR	Intermediate Thermal Infrared Radiometer
ITO	independent test organization
ITS	Intelligent Terminal Segment (NCC)
ITV	integration, test, and verification
IV&V	independent verification and validation
IWG	Investigator Working Group
IWGDMGC	Interagency Working Group on Data Management for Global Change

J

JAROS	Japan Resources Observation System [Organization]
JEOC	Japanese Earth Observing Center
JEOS	Japanese Earth Observing System
JERS	Japanese Earth Remote-Sensing Satellite
JGOFS	Joint Global Ocean Flux Study
JICC	Japanese Instrument Control Center
JMA	Japan Meteorological Agency
JODC	Japan Ocean Data Center
JPL	Jet Propulsion Laboratory (DAAC)
JPOP	Japanese Polar Orbiting Platform

K

KB	kilobyte (10^3)
Kb	kilobit (10^3)
KBps	kilobytes per second
Kbps	kilobits per second

KLOC	kilolines (10 ³) of code
KSA	Ku-band single access
KSLOC	thousand source lines of code

L

L-7	Landsat-7 (Landsat-7 for EDHS search)
L0	Level 0
L0-L4	Level 0 (zero) through Level 4 (use Level-0 through Level-4 for EDHS search)
LAC	Local Area Coverage (AVHRR)
LAGEOS	Laser Geodynamics Satellite
LAN	local area network
Landsat	Land Remote-Sensing Satellite
LaRC	Langley Research Center (DAAC)
LAS	land analysis system
LASA	Laser Atmospheric Sounder and Altimeter
laser	light amplification by stimulated emission of radiation
LASP	Laboratory for Atmospheres and Space Physics (University of Colorado)
LAWS	Laser Atmospheric Wind Sounder
LCC	life cycle cost
LDAS	local data access system
LDOS	Landsat Data and Operations System
LFC	large format camera
LGA	low gain antenna
LGN	Landsat Ground Network
LIBI/O	library input/output
LIM	local information manager
LIMGR	local information manager
LIMS	Limb Infrared Monitor of the Stratosphere local information manager
LIS	Lightning Imaging Sensor
LISP	LISt Processing (computer programming language)

LLC	logical link control
LMS	logistics management support
LOC	lines of code
LOC/mm	lines of code per man month
LOE	level of effort
LOGSWG	Landsat Operations Ground Segment Working Group
Loral	Loral Aerosys (ECS Team)
LOS	line of sight loss of signal
LPS	Landsat 7 Processing System
LRU	line replaceable unit
LSA	logistics support analysis
LSM	local system management (ECS) local system manager
LSO	logistics support office
LSRR	location server/request router
LTIP	long-term instrument plan
LTOP	long-term operating plan
LTSP	long-term science plan
LW	long wave
LWIR	long-wave infra-red
LWM	low water mark
LZP	level zero processing
LZW	Lempel-Ziv-Welch compression algorithm

M

M	Million, mega (prefix)
M&O	maintenance and operations
M-PDU	multiplexed protocol data unit
MA	multiple access
MAC	medium access control message authentication code

MACI	management agent configuration item
MAN	metropolitan area network
MARC	machine readable cataloging
MAS	Millimeter-wave Atmospheric Sounder
MAW	minor assist work
MB	megabyte (10^6)
Mb	megabit (10^6)
MBps	megabytes per second
Mbps	mega bits per second
MCF	metadata configuration file
McIDAS	Man-Computer Interactive Data Access System
MD	master directory
MDT	mean downtime
MDU	missing data unit
MDUE	missing data unit entry
MERIS	Medium-Resolution Imaging Spectrometer (ESA)
METEOSAT	Geosynchronous Meteorology Satellite (ESA)
MFD	Master File Directory
MFLOPS	mega (millions of) floating-point operations (10^6) per second
mgmt	management
MHWCI	management hardware configuration item
MHS	Microwave Humidity Sounder
MHz	megahertz
MI	master index
MIB	management information base
MIL	military
MIL-HDBK	military handbook
MIL-STD	military standard
MIMD	multiple instructions, multiple data
MIME	multipurpose internet mail extension
MIMR	Multifrequency Imaging Microwave Radiometer

min	minute
MIPAS	Michelson Interferometric Passive Atmospheric Sounding (ESA)
MIPS	mega (millions of) instructions (10^6) per second
MIS	management information system
MISR	Multi-Angle Imaging Spectroradiometer
MITI	Ministry of International Trade and Industry (Japan)
MLCI	management logistics configuration item
MLM	mid-level manager
MLS	Microwave Limb Sounder
mm	millimeter
MMI	man-machine interface
MMM	minimum, maximum, and mean
MO&DSD	Mission Operations and Data Systems Directorate (GSFC Code 500)
MOA	memorandum of agreement
MOC	mission operations center
MOCD	magneto-optics compact disk (write many CD) mission operations concept document
MODIS	Moderate Resolution Imaging Spectroradiometer
MODNET	MO&DSD Operational Development Network
MOM	mission operations manager
MOP	mission operations plan
MOPITT	Measurements of Pollution in the Troposphere
MOPS	mega (millions of) operations (10^6) per second
MOR	Mission Operations Review
MOS-1a,b	Marine Observation Satellite (Japan)
MOU	memorandum of understanding
MOWG	Mission Operations Working Group
MPP	massively parallel processor
MPR	Monthly Progress Review
MPS	Mission Planning System (ASF)
MPS	mission planning system
MPU	Metadata Populating Utility (LaRC)

MR	malfunction report Microwave Radiometer
MRDB	mission requirement data base
MRF	medium range forecast
MRIR	Medium Resolution Infrared Radiometer (Nimbus)
MRS	maintenance reporting system malfunction/failure reports
msec	millisecond
MSFC	Marshall Space Flight Center (DAAC)
MSR	management status report [Flights Projects Directorate]
MSRM	mass storage reference model
MSS	systems management subsystem
MSSU	Message Switching System Upgrade (Nascom)
MST	MODIS Science Team
MSU	mass storage unit Microwave Sounding Unit
MTA	message transfer agent
MTBCM	mean time between corrective maintenance
MTBF	mean time between failure
MTBM	mean time between maintenance
MTBPM	mean time between preventive maintenance
MTL	message transfer layer
MTPE	Mission to Planet Earth
MTTR	mean time to repair
MTTRes	mean time to restore
MUI	management user interface
MUX	multiplexer
MVS	multiple virtual system

N

N-ROSS	Navy Remote Ocean Sensing System
N/A	not applicable

NA	network administrator
NACSIM	National Communications Security Instruction Memorandum
NAPP	National Aerial Photography Program
NAS	National Academy of Science
NASA	National Aeronautics and Space Administration
Nascom	NASA Communications
NASDA	National Space Development Agency (Japan)
nav	navigation
NBS	National Bureau of Standards
NCAR	National Center for Atmospheric Research
NCC	Network Control Center (GSFC) network communication center
NCCDS	NCC Data System
NCDC	National Climatic Data Center [NOAA]
NCDS	NASA Climate Data System
NCF	NSSDC Computer Facility
NCGIA	National Center for Information and Analysis
NCIS	Nadir Climatic Interferometer/Spectrometer
NCR	nonconformance report
NCSA	National Center for Supercomputer Applications
NCSA	National Computer Security Association
NCSNET	Nascom custom subnetwork
NDBC	National Data Buoy Center
NDP	numerical data package
NDVI	Normalized Difference Vegetation Index
NEC	North Equator Crossing
NEDRES	National Environmental Data Referral System
NERC	National Environmental Research Center
NESDD	NOAA Earth Science Data Directory
NESDIS	National Environmental Satellite, Data, and Information Service (NOAA)
netCDF	network common data format
NEWS	NOAA's Earth Watch Service

NEXRAD	next radar
NFS	network file system
NGDC	National Geophysical Data Center [NOAA]
NGT	NASA ground terminal
NHAP	national high altitude photography
NHB	NASA handbook
NIC	network interface card
NIES	National Institute of Environmental Science (Japan)
NII	National Information Infrastructure
NIIT	National Information Infrastructure Testbed
NIPR	National Institute for Polar Research (Japan)
NISDDT	Nascom Interface Standards for Digital Data Transmission
NISS	NASA Institutional Support System
NIST	National Institute of Standards and Technology
NIU	network interface unit
NLDN	National Lightning Detection Network
NMC	National Meteorological Center (NOAA) network management center
NMCC	Nascom Management Control Center
NMCI	network management configuration item
NMD	NASA Master Directory
NMF	network management facility
NMF	network management forum
NMI	NASA management instruction
NMOS	Network and Mission Operations Support (NASA program)
NMS	network management subsystem (Ecom)
NNTP	Network News Transfer Protocol
NOAA	National Oceanic and Atmospheric Administration
NOARL	Naval Oceanographic and Atmospheric Research Lab
NOCC	Network Operations Control Center (DSN)
NODC	National Oceanographic Data Center [NOAA]
NODS	NASA Ocean Data System

NOLAN	Nascom Operational Local Area Network
NOR	notice of revision
NOSIE	NODC Ocean Science Information Exchange
NPRD	nonelectronic parts reliability data
NPSNET	Nascom packet switched subnetwork
NRC	National Research Council
NRCA	nonconformance reporting and corrective action
NRDN	NOAA Radar Data Network
NREN	National Research and Education Network
NRL	Naval Research Laboratory
NRN	national research network
NRP	national resource protection
NRSC	National Remote Sensing Centre (UK)
NRT	near real time (data)
NSCAT	NASA Scatterometer
NSDD	National Security Decsion Directives
NSF	National Science Foundation
NSFNet	NSF Network
NSGW	Nascom Service Gateway
NSI	NASA Science Internet
NSIDC	National Snow and Ice Data Center (DAAC)
NSN	NASA Space Network
NSP	NASA Support Plan
NSSDC	National Space Science Data Center
NSTR	NASA Standard Tape Recorder
NTIC	National Technical Information Center
NTISS	national telecommunications and information systems security (policy)
NTP	network transport protocol
NTTF	NASA Test and Training Facility
NUWIG	NCC User Working Interface Group
NWCI	networking configuration item

NWP	numerical weather prediction
NWS	National Weather Service (NOAA)
NYMA	NYMA Incorporated (ECS Team)

O

O&M	operations and maintenance
O/A	orbit/altitude
OASIS	Operations and Science Instrument Support
OASM	operational analysis support model
OBS	organizational breakdown structure
OC	operational capability
OCC	operations control center
OCD	operations concept document
OCG	Ocean Catalog Group (NASA)
OCR	optical character recognition
OCTS	Ocean Color and Temperature Scanner
ODB	operational database
ODC	other data center
ODL	object description language
ODMS	object data management system
ODP	open distributed processing
OEC	operations engineering center
OEM	original equipment manufacturer
OES	object encapsulation software
OGCM	ocean general circulation model
OIP	operations interface procedure
OJT	on-the-job training
OLAP	on-line analytical processing
OLS	optical line scanner
OLTP	on-line transaction processing
OMA	object management architecture

OMB	Office of Management and Budget
OMF	object management framework
OMG	object management group
OMT	Object Modeling Technique
ONR	Office of Naval Research
OO	object oriented
OOA	object oriented analysis
OOD	object oriented design
OODBMS	object oriented database management system
OODCE	object oriented distributed computing environment
OORDB	object oriented relational data base
OPAC	on-line payment and collection
OpLAN	operational local area network
OPPM	outside the principal period of maintenance
OPS CON	operations concept
OPS	onboard payload support operations
ORB	object request broker
ORDBMS	object rational database management system
ORNL	Oak Ridge National Laboratory (DAAC)
ORR	Operations Readiness Review
OS	object services operating system
OS ²	operating system 2
OSDPD	Office of Space Data Processing and Distribution (also NESDIS/OSDPD)
OSF	Open Software Foundation
OSHA	Occupational Health and Safety Administration
OSI	Open Systems Interconnection
OSI-RM	OSI reference model
OSM	open storage manager
OSO	Office of Space Operations
OSPF	open shortest path first (routing protocol)

OSS	Office of Space Station
OSSA	Office of Space Science and Applications
OTS	off the shelf
OTTER	Oregon Transect Ecosystem Research

P

P&S	planning and scheduling
P/B	playback
P/L	payload
P/S	planning/scheduling
PA	payload accommodations performance assurance product assurance
PAC	privilege attribute certificate
Pacor	packet processor
PACS	Polar Acquisition and Command System
PAF	Processing and Archiving Facility (ESA)
PAIP	performance assurance implementation plan
PAM	permanent archive manager
PAMM	permanent archive and media management
PAR	performance assurance requirements
PARC	public access resource center
PAS	planning and scheduling platform analysis system
PAT	Process Action Team
PB	petabyte (10 ¹⁵)
PBI	person based interface (non automated)
PBL	product baseline
PC	personal computer
PCA	program control analyst
PCAR	platform core activity request
PCF	process control file

PCI	peripheral component interface product configuration identification
PCL	planning class libraries
PCON	proof of concept
PDB	project database
pdf	portable document format
PDL	program design language
PDMP	program data management plan project data management plan
PDP	program development plan
PDPS	planning and data processing system
PDR	Preliminary Design Review
PDR-A	Preliminary Design Review Release-A
PDS	planetary data system platform data system production data set production data specialist
PDU	protocol data unit
PDW	preliminary design walk-through
PEB	Performance Evaluation Board
PETS	performance evaluation and test system
PGGA	Permanent GPS Geodetic Array
PGS	Product Generation Service Product Generation System (ASTER) Product Generation System (obsolete ECS element name)
PGSTK	Product Generation System Toolkit (obsolete name, replaced by SDPTK)
PHS&T	packaging, handling, storage and transportation
PI	principal investigator project instruction
PI/TL	principal investigator/team leader
PICF	Principal Investigator Computing Facility
PICS	procurement and inventory control system
PID	parameter identification prototype international directory

PIN	password identification number
PIO	policy implementation office
PIP	project implementation plan
PIPOR	Programme of International Polar Oceans Research
PISP	Polar Ice Sheet Program
PIT	product integration team
PLDS	Pilot Land Data System
PLNHW	planning hardware [configuration item]
PLS	planning subsystem
PM	afternoon (post meridiem) EOS Afternoon Crossing Mission -- see EOS PM preventive maintenance program manager project manager
PMAS	performance management application service
PMB	performance measurement baseline
PMIS	project management information system
PMO	Project Management Office
PMP	project management plan
PMR	Program Management Review
PMRD	preliminary mission requirements document
PMS	performance measurement system platform management system
PMSR	performance measurement status report
PMSWG	Platform Management System Working Group
PO	program/product order project office purchase order
POC	point of contact
POCC	Payload Operations Control Center
POD	project operations director
PoDAG	Polar DAAC Advisory Group
PODB	product order data base

POEM	Polar-Orbit Earth Observation Mission
POLDER	Polarization and Directionality Of Earth's Reflectances
POP	Polar-Orbiting Platform
POSIX	Portable Operating System Interface for Computer Environments
PPM	principal period of maintenance
ppm	pixels per minute
PPP	point-to-point protocol
PPRR	Preliminary Program Requirements Review
PQT	preliminary qualification testing
PR	Precipitation Radar (TRMM)
PRAREE	Precise Range and Range Rate Equipment -- Extended (ESA)
PRD	program requirements document
PRF	pulse repetition frequency
PRM	Program Management Review
PROPS	Propulsion Subsystem (AM-1)
PRR	Preliminary Requirements Review
PRS	preliminary resource schedule
PS	Project Scientist
PS	PostScript
PSAT	predicted site acquisition table
PSCN	Program Support Communications Network
PSDN	Packet Switched Data Network
PSDR	Preliminary System Design Review
PSR	Program Status Review
PTTS	platform test and training system
PVC	permanent virtual circuit
PVL	parameter value language
PVP	performance verification plan
PVT	performance verification test
PWA	project work authorization

Q

Q/L	quick look
QA	quality assurance
QAC	quality and accounting capsule
QAE	quality assurance executive
QAM	quality assurance monitor
QC	quality control
QDS	quicklook data set
QLBB	Quick-Look Bulletin Board (JPL)
QO	quality office

R

R&M	reliability and maintainability
R/B	rate buffered
R/L	return link
R/T	real time
R/W	read/write
R1	Release 1
RA	Radar Altimeter
RA-2	Advanced Radar Altimeter (ESA)
RACF	remote access control facility
Radarsat	Radar Satellite (Canada)
RAE	Royal Aerospace Establishment (UK)
RAID	redundant array of inexpensive disks
RAL	Rutherford Appleton Laboratory (UK)
RAM	random access memory
RARP	reverse address resolution protocol
RATS	RAID array tape system
RCL	resource class libraries
RDA	remote database access

RDBMS	relational database management system
RDR	Release Design Review
RDW	request for deviation/waiver
RE	responsible engineer
REC	request for engineering change
REL	release
Req't	requirement
RESTEC	Remote Sensing Technology Center of Japan
RF	radio frequency
RFA	remote file access
RFC	request for comments
RFI	request for information
RFP	request for proposal
RFQ	request for quotation
RFS	request for specification
RFSOC	Radio Frequency Simulation Operations Center
RFT	request for technology
RFU	ready for use
RGS	Receiving Ground Station (ASF)
RICC	remote instrument control center
RID	review item discrepancy
RIO	reference identifier object
RIP	router information protocol
RIR	Release Initiation Review
RIS24	24 Bit Raster Image Set
RIS8	8 Bit Raster Image Set
RIT	real-time integrated testbed
RMA	reliability, maintainability, availability
RMM	risk mitigation model
RMON	remote monitor (SNMP)
RMP	risk management panel

RMS	resource management software
RMS	resource management subsystem
ROI	return on investment
ROM	read only memory rough order of magnitude
ROSE	Request Oriented Scheduling Engine
RPC	remote procedure call
RRDB	recommended requirements database
RRR	Release Readiness Review
RSA	Russian Space Agency
RSR	Release Specification Review
RST	remote science terminal research search tool
RT	real time remote terminal
RTC	relative time commands
RTCS	relative time command sequence
rtf	rich text format
RTM	Requirements and Traceability Management
RTS	real time subsystem real-time server relative time sequence
RWIC	Regional Weather Information Center

S

S&E	scheduling and execution
S/C	spacecraft
S/W	software
S/WCI	software configuration item
S2000	Sequoia 2000 project
SA	single access system administrator

SAA	Satellite Active Archives (NOAA)
SAB	Science Advisory Board
SAFIRE	Spectroscopy of the Atmosphere using Far Infrared Emission
SAGE	Stratospheric Aerosols and Gas Experiment
SAM	storage/archive management;
SAMS	Stratospheric Aerosol Measurement Sounder
SAP	service access protocol
SAR	schedule add requests Synthetic Aperture Radar
SAS	Service Accounting Segment (NCC)
SATAN	security administrator tool for analyzing networks
SB/SDB	small business/small disadvantaged business
SBA	Small Business Administration
SBUV	Solar Backscatter Ultraviolet
SC-IGBP	Scientific Committee for the IGBP
SCANSAT	Advanced Scatterometer for Studies in Meteorology and Oceanography
SCARAB	Scanner for the Radiation Budget
SCC	spacecraft control computer
SCCS	source code control system
SCDO	Science and Communications Development Office (ECS)
SCE	software configuration engineer
SCF	science computing facility
SCG	Space Communication Group
SCIAMACHY	Scanning Imaging Absorption Spectrometer for Atmospheric Cartography
SCIL	software critical items list
SCL	scheduling class libraries spacecraft command language
SCM	software configuration management
SCMP	software configuration management plan
SCN	specification change notice
SCOR	Scientific Committee for Oceanographic Research
SCR	Segment Completion Review

SCS	Spacecraft Checkout Station (AM-1)
SCSI	Small Computer System Interface
SDCS	SAR Data Catalog System
SDD	software design documents
SDE	software development environment
SDF	software development facility software development file
SDL	software development library
SDOC	science data operations center
SDP	science data plan software development plan
SDPF	science data processing facility Sensor Data Processing Facility (GSFC)
SDPS	Science Data Processing Segment (ECS)
SDPS/W	science data processing software
SDPTK	Science Data Processing Toolkit
SDR	Sensor Data Record (JPL) System Design Review
SDRD	subcontract data requirements document
SDRL	subcontract data requirements list
SDS	science data standards system design specification
SDSD	Satellite Data Services Division
SDSRV	science data server
SDT	segment design teams
SDTS	spatial data transfer standard
SDU	service data unit
SDVF	software development and validation facility
SE	system engineering
SE&I	system engineering and integration
SEAS	Systems, Engineering, and Analysis Support (contract)
Seasat	Sea Satellite
SeaWiFS	Sea-Viewing Wide Field-of-View Sensor

SEB	Source Evaluation Board
SEC	Science Executive Committee
SEC	south equator crossing
SEDAC	Socio-Economic Data and Applications Center (CIESIN)
SEER	system evaluation and estimate of resources
SEF	Sustaining Engineering Facility (EDOS)
SEI	Software Engineering Institute
SEI&T	system engineering, integration, and test
SEIO	Systems Engineering and Integration Office
SEM	system element management
SEO	sustaining engineering organization
SEP	systems engineering plan
SEPG	Software Engineering Process Group
SES	scheduling and execution subsystem
SFDU	standard formatted data unit
SFE	Science Formatting Equipment (AM-1)
SGML	standard generalized markup language
SI&P	system integration and planning
SI&PO	System Integration and Planning Office
SI&T	system integration and test
SI&TO	System Integration and Test Organization
SIFP	system implementation and facility plan
SIG	special interest group
SIMD	single instruction, multiple data
SIO	System Integration Organization
SIP	system implementation plan
SIPO	Systems Integration and Planning Office
SIR	Spaceborne Imaging Radar
SIR-C	Shuttle Imaging Radar-C
SIRD	support instrumentation requirements document
SIRD	system interface requirements document

SITP	system integration test plan
SLAP	space link access protocol
SLAR	Side Looking Airborne Radar
SLD	second level destination
SLE	single loss expectancy
SLOC	single lines of code
SLR	Satellite Laser Ranging
SLS	second level source
SM	subcontract manager
SMA	S-band multiple access
SMAP	Software Management and Assurance Program
SMC	system monitoring and coordination center
SMCI	system management configuration item
SMF	status message file system management function
SMMR	Scanning Multichannel Microwave Radiometer
SMO	subcontract management office system management office
SMP	shared memory processors software management plan symmetric multi-processor
SMR	System Management Review
SMS	Structures and Mechanisms Subsystem (AM-1)
SMSB	System Management Status Briefing
SMTP	simple mail transport protocol
SN	space network
SNC	space network control
SNCC	Space Network Control Center
SNDCP	subnetwork dependent convergence protocol
SNICP	subnetwork independent convergence protocol
SNMP	simple network management protocol
SOC	simulated operations center
SOCC	Science Operations Control Center

SOFT	Software Operations Focus Team
SOLSTICE	Solar Stellar Irradiance Comparison Experiment
SOM	system operations manager
SOP	system operations plan
SOR	System Operations Review
SORD	system and operations requirements document
SORR	Segment Operational Readiness Review
SOW	statement of work
SP	service protocol
SPAN	Space Physics Analysis Network
SPARC	single processor architecture
SPIE	Society for Photoelectric Instrument Engineers
SPIN	Scheduling and Planning Information Network
SPL	science processing library
SPN	shared processing network
SPOC	Science Planning and Operations Center
SPOT	Système pour l'Observation de la Terre (France)
SPR	software problem report
SPRHW	science processing hardware [configuration item]
SPS	SAR Processing System (ASF) Service Planning Segment (NCC) software program specification
SPSO	Science Processing Support Office
SPSR	Service Planning Segment Replacement
SPSS	science processing software segment
SQA	software quality assurance
SQL	Structured Query Language
SRD	system requirements document
SREM	software requirements engineering methodology
SRM&QA	Safety, Reliability, Maintainability, and Quality Assurance
SRP	Science Review Panel
SRR	System Requirements Review

SRS	software requirements specification
SRT	system readiness test
SSA	S-band single access solid state altimeter (see EOS ALT)
SSALT	Solid State Radar Altimeter
SSDD	system/segment design document
SSEC	Space Science and Engineering Center (University of Wisconsin)
SSF	Scripps Satellite Facility
SSHA	system safety hazard analysis
SSI&T	science software integration and test
SSIL	security-sensitivity items list
SSIM	spacecraft simulator
SSIP	system safety implementation plan
SSM/I	Special Sensor for Microwave/Imager
SSM/T	Special Sensor Microwave/Temperature Sounder
SSR	solid state recorder System Software Review System Specification Review
SSS	software segment specification
SST	sea surface temperature
SSW	sudden stratospheric warming
ST	switchover time
STA	Science and Technology Agency (Japan)
STD	software test document
std	standard
STDN	Spaceflight Tracking and Data Network
STDS	short term data storage
STE	special test equipment
STGT	Second TDRSS Ground Terminal
STIKSCAT	Stick Scatterometer
STIP	short term instrument plan
STL	Science and Technology Laboratory

STMGT	storage management
STOL	System Test and Operations Language
STOP	short term operations plan
STP	software test plan
StP/OMT	Software Through Pictures/Object Modeling Technique
SUSIM	Solar Ultraviolet Spectral Irradiance Monitor
SUSTS	SN users' simulation and test system software
SVD	system verification diagram
SWG	science working group
SWIR	Short Wavelength Infrared
SWIRLS	Stratospheric Wind Infrared Limb Sounder
SWT	Science Working Team

T

T&C	telemetry and command
T/DC	time/date conversion
TAD	Technology Architecture Division
TAE	Transportable Applications Environment
TAG	Technical Assistance Group
TAI	International Atomic Time
TAT	Technical Assessment Team
TB	terabyte (10^{12})
TBC	to be confirmed
TBD	to be determined
TBR	to be resolved
TBS	to be supplied
Tbyte	terabyte
TCP/IP	transmission control protocol/Internet protocol
TCS	Thermal Control Subsystem (AM-1)
TDB	Barycentric Dynamical Time
TDM	Test Data Management

TDMA	time division multiple access
TDP	technical data package
TDRS	Tracking and Data Relay Satellite
TDRSGS	TDRS Ground Station
TDRSS	Tracking and Data Relay Satellite System
TELNET	telecommunication network
TES	Tropospheric Emission Spectrometer
TGDDIS	Trace Gas Dynamics Data and Information System
TGS	ticket granting service
TGS	time generation system
TGT	TDRSS Ground Terminal
TGT	ticket granting ticket
THIR	Temperature/Humidity Infrared Radiometer (Nimbus)
TIGER	Thermal Infrared Ground Emission Radiometer
TIM	technical interchange meeting
TIMS	Thermal Imaging Spectrometer
TIP	Technical Information Program
TIR	thermal infrared
TIROS	Television Infrared Observation Satellite
TL	team leader
TLCF	team leader computing facility
TLM	telemetry [subsystem]
TM	team member Thematic Mapper (Landsat)
TMCF	team member computing facility
TMDB	technical management database (ECS)
TMI	TRMM Microwave Imager
TMN	Telecommunications Management Network
TMR	TOPEX/Poseidon Microwave Radiometer
TN	TDRSS network transmittal notice
TO	technical officer

TOGA/COARE	Tropical Ocean and Global Atmosphere Coupled Ocean Atmosphere Response Experiment
TOMS	Total Ozone Mapping Spectrometer
TONS	TDRSS On-board Navigational System
TOO	target of opportunity
TOPEX	Ocean Topography Experiment (joint US-France)
TOPS	Tape Order Processing System (LaRC)
TOVS	TIROS Operational Vertical Sounder
TP	technical paper
TPOCC	Transportable Payload Operations Control Center
TQM	total quality management
TR	tape recorder
TRACER	Tropospheric Radiometer for Atmospheric Chemistry and Environmental Research
TRAK	Data request, tracking system (NSIDC)
TRAMAR	Tropical Rain Mapping Radar
TRMM	Tropical Rainfall Measuring Mission (joint US-Japan)
TRR	Test Readiness Review
TRUST	TDRSS Resource User Support Terminal
TS	test surveillance Transport Subsystem (Ecom)
TSDIS	TRMM Science Data and Information System
TSG	Technical Support Group
TSS	TDRSS Service Session
TST	TRMM Science Team
TSTOL	TRMM System Test and Operations Language
TSU	TRMM Science User
TSWG	TRMM Science Working Group
TT	trouble ticket
TT&C	telemetry, tracking, and command
TTAU	teletex access unit
TW	target week

U

U.K.	United Kingdom
U.S.	United States
U/I	user interface
U/L	uplink
UAF	University of Alaska, Fairbanks
UARS	Upper Atmosphere Research Satellite
UAV	unmanned aerospace vehicle User Antenna View
UCAR	University Corporation for Atmospheric Research
UDF	unit development folder
UDP	user datagram protocol
UDP/IP	user datagram protocol/internet protocol
UFS	UNIX file system
UID	universal identifier
UIOAR	user interface off-line analysis request
UIT	User Interface Terminal (ESA)
UL	Underwriters Laboratory
UNEP	United Nations Environmental Programme
UPS	uninterruptable power supply user planning system
UR	universal reference
URL	uniform resource locator Universal Resource Locator
USDA	United States Department of Agriculture
USDC	United States Department of Commerce
UserDIS	User Data Information System
USGCRP	U.S. Global Change Research Program
USGS	U.S. Geological Survey
USNO	United States Naval Observatory
USO	user support office
USRA	University Space Research Associates

UTC	Coordinated Universal Time
UTCf	universal time correlation factor
UTM	universal transverse mercator
UUID	universal unique identifier
UV	ultraviolet
UWG	user working group

V

V&V	verification and validation
V0 ODL	Version 0 Object Description Language
V0	Version 0 (Version Zero; use V-0 for EDHS search)
VAFB	Vandenberg Air Force Base
VAP	value added provider
VAS	VISSR Atmospheric Sounder (GOES)
VAX	virtual extended address
VC	virtual channel
VCATS	Vendors Costing and Tracking System (ECS)
VCDU	virtual channel data unit
VC-ID	virtual channel identifier
VDD	version description document
VE	verification
VFS	virtual file system
VHS	vertical head synchronization
VHSIC	very high speed integrated circuit
VIMS	virtual IMS
VIRR	Visible and Infrared Radiometer
VIRS	Visible Infrared Scanner (TRMM)
VIS	vendor information system
VIS-UV	Visible/Ultraviolet Spectrometer
VISSR	Visible/Infrared Spin-Scan Radiometer (GOES)
VLSI	very large scale integration

VMS	virtual memory system
VNIR	visible and near infrared
VOB	version object base
VOM	volt ohm meter
VP	verification plan
VPF	vector product format
VS	verification specification
VSAT	very small aperture terminal
VT	virtual terminal
VTP	virtual terminal protocol
VTRS	Vandenberg Telemetry Receiver Site
VTs	virtual terminal service

W

WAD	work authorization document
WAIS	wide area information server
WAN	wide area network
WBDCS	Wide Band Data Collection System
WBS	work breakdown structure
WCRP	World Climate Research Programme
WDC	World Data Center
WEGENER	Working Group of European Geoscientists for the Establishment of Networks for Earthquake Research
WFF	Wallops Flight Facility
WGD	Working Group on Data (CEOS)
WGGCR	Working Group on Global Change Research
WINDII	Wind Imaging Interferometer
WKBCH	workbench
WKSHCI	working storage hardware configuration item
WMO	World Meteorological Organization
WOCE	World Ocean Circulation Experiment

WORM CD	write once, read many compact disk
WORM	write once read many\
WOTS	Wallops Orbital Tracking Station
WP	white paper work package
WRS	worldwide reference system
WS	working storage
WS	workstation
WSC	White Sands Complex
WSGT	White Sands Ground Terminal
WSMC	Western Space and Missile Center
WTS	Wallops Tracking Station
WWW	World Wide Web

X

X.400	OSI standard for mail services
X.500	OSI standard for directory services
XBT	Expendable Bathythermograph
XDR	external data representation
XDS	X/Open Directory Service
XF	transfer frame
XFG	transfer frame generator
XFN	X/Open Federated Naming
XIE	X-ray Imaging Experiment
XMP	X/Open Management Protocol
XOM	X/Open OSI-Abstract-Data Manipulation
XSAR	X-band SAR
XTE	X-Ray Timing Explorer

Y

Z

Z	UNIX compressed format
ZOE	zone of exclusion

etc.

3GL	third generation language
4GL	fourth generation language